(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 4 December 2003 (04.12.2003)

PCT

(10) International Publication Number WO 03/099484 A1

(51) International Patent Classification⁷: B30B 5/02

B21D 22/12.

(21) International Application Number: PCT/SE03/00789

(22) International Filing Date: 15 May 2003 (15.05.2003)

(25) Filing Language:

Swedish

(26) Publication Language:

English

(30) Priority Data:

0201574-1

27 May 2002 (27.05.2002) SE

- (71) Applicant (for all designated States except US): FLOW HOLDINGS SAGL [CH/CH]; Via Cantonale, CH-6805 Mezzovico (CH).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HELLGREN, Keijo [SE/SE]; Längdhoppargatan 5, S-722 41 Västerås (SE).
- (74) Agent: AWAPATENT AB; Box 11394, S-404 28 Göteborg (SE).

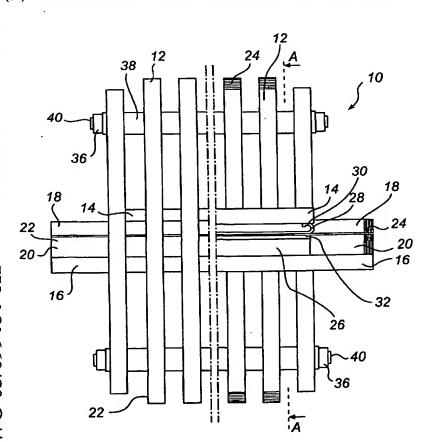
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: PRESSURE CELL PRESS COMPRISING A TRAY, AND A METHOD FOR MANUFACTURING SAID TRAY



(57) Abstract: The present invention relates to a press (10) of pressure cell type, a tray (20, 60, 60a, 60b, 60c, 60d, 70, 74) for use in a press of pressure cell type and a method. The tray comprises a tray frame, which defines a space (26) for arranging a forming tool and/or a work-piece. Prestressing means (24, 72, 76) are arranged on the external surface (22) of the tray frame and induce a compressing prestress which acts in planes parallel to the plane of the tray. The tray frame presents a curvature along its entire circumference.

WO 03/099484 A1